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COMBINED TRANSMITTAL OF APPEAL BRIEF TO THE BOARD OF PATENT APPEALS AND INTERFERENCES & PETITION FOR EXTENSION OF TIME UNDER 37 C.F.R. 1.136(a) (Small Entity)

Docket No.
HIL-P004-01

In Re Application Of:

Charles E. Hill

Application No.	Filing Date	Examiner	Customer No.	Group Art Unit	Confirmation No.
09/873,539	06/04/2001	Al Hashemi, Sana A	27268	2171	7581

Invention:

DATA FILE MANAGEMENT SYSTEM AND METHOD FOR BROWSERS

COMMISSIONER FOR PATENTS:

This is a combined Transmittal of Appeal Brief to the Board of Patent Appeals and Interferences and petition under the provisions of 37 CFR 1.136(a) to extend the period for filing an Appeal Brief.

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DATA FILE MANAGEMENT SYSTEM AND METHOD FOR BROWSERS

TO THE COMMISSIONER FOR PATENTS:

This combined Transmittal of Appeal Brief to the Board of Patent Appeals and Interferences and petition for extension of time under 37 CFR 1.136(a) is respectfully submitted by the undersigned:


Signature

Dated: **April 12, 2005**

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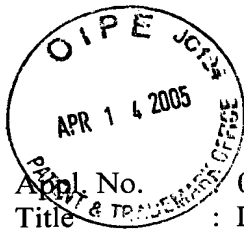
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D. Cwiklinski

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App. No. : 09/873,539
Title : DATA FILE MANAGEMENT SYSTEM AND METHOD FOR BROWSERS
Applicant : Hill
Filed : June 4, 2001
TC/A.U. : 2171
Examiner : Al Hashemi, Sana A.
Docket No. : HIL-P004-01
Customer No. : 27268

APPEAL BRIEF

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Sir:

This is an appeal to the Examiner's Final Official Action dated May 14, 2004 ("Final Action") issued in respect of the above-identified application, finally rejecting claims 1-32 and 36-59. Pending claims 1-32 and 36-59 are provided in the attached Claims Appendix. This appeal brief is filed in triplicate.

I. Real Party in Interest

The real party in interest is Charles E. Hill & Associates, Inc. located at 8604 Allisonville Road, Suite 231, Indianapolis, Indiana 46250.

II. Related Appeals and Interferences

There are no other appeals or interferences known to Appellant, the Appellant's legal representative or assigns which will directly affect or be directly affected by or have a bearing on the Board's decision in the pending appeal.

III. Status of Claims

Allowed claims:	None
Claims objected to:	None
Claims rejected:	1-32 and 36-59
Claims cancelled:	33-35
Claims appealed:	1-32 and 36-59

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IV. Status of Amendments

On July 14, 2004, Applicant responded to the Final Action of May 14, 2004 ("Response After Final"). In an Advisory Action dated September 1, 2004 ("Advisory Action"), the Examiner stated that the Response After Final had been considered but did not place the application in condition for allowance. In the Response After Final the Applicant did not make any amendments to the claims. However, the Examiner further stated that the Response After Final would not be entered. Applicant filed a Notice of Appeal on October 14, 2004.

V. Summary of Claimed Subject Matter

The following explanation of the subject matter defined in each of the independent claims is provided with reference to page, paragraph, and line numbers in the specification, and the drawings by reference characters as required by §41.37(c)(v). These references are made to a specific embodiment(s) disclosed in the application and do not limit the scope of the independent claims to the specific embodiment(s) and should not necessarily be considered to be exhaustive.

A. Claim 1

The subject matter defined in claim 1 relates to a system for managing a plurality of data files for a web browser [p. 9, lns. 1-11; Fig. 12, 10; Fig. 16; p. 24, ln. 30-p. 25, ln. 14]. The system for managing a plurality of data files for a web browser comprising a storage area [Fig. 16, 1880] on a computer storage medium [Fig. 16, 1870]. The storage area storing the data files. The system for managing a plurality of data files for a web browser further comprising a computer [Fig. 16, 1800] configured to access the storage area, a first database [e.g. at Fig. 12, 1610, 1620, 1630, 1640, 1650, 1660, and 1670; p. 12, ln. 28-p. 14, ln. 19] configured to index the data files stored in the storage area, and a program [p. 16, lns. 26-27; Fig. 16, 1810] executable on the computer. The program executable on the computer being configured to generate at least one automated search string [Fig. 6A; p. 16, lns. 27-30]. The program executable on the computer being further configured to search the database index according to the automated search string and identify data files associated with the automated search string [Fig. 6A; p. 16, lns. 27-30]. The program executable on the computer being further configured to remove at least one data file from the storage area based on those data files identified from the search string [Fig. 6A; p. 16, lns. 27-30].

B. Claim 23

The subject matter defined in claim 23 relates to a system for managing stored data files for a web browser [p. 9, lns. 1-11; Fig. 12, 10; Fig. 16; p. 24, ln. 30-p. 25, ln. 14]. The system for managing stored data files for a web browser comprising a storage area [Fig. 16, 1880] on a computer storage medium [Fig. 16, 1870]. The storage area storing the data files. The system for managing stored data files for a web browser further comprising a computer [Fig. 16, 1800] configured to access the storage area, a database configured to index data files stored in the storage area during a single browsing session [p. 13, lns. 8-13; Fig. 12, 1610], and a program executable on the computer [Fig. 16, 1810]. The program being configured to search the database and identify data files stored in the storage area and indexed by the database [p. 22, ln. 19-p. 24, ln. 12].

C. Claim 26

The subject matter defined in claim 26 relates to a method for managing a plurality of data files stored in a storage area [Fig. 16, 1880] for a web browser [p. 9, lns. 1-11; Fig. 12, 10; Fig. 16; p. 24, ln. 30-p. 25, ln. 14]. The method for managing a plurality of data files stored in a storage area for a web browser comprising the steps of indexing the stored data files in a database to provide a database index [e.g. at Fig. 12, 1610, 1620, 1630, 1640, 1650, 1660, and 1670; p. 12, ln. 28-p. 14, ln. 19], generating automated search strings based on the stored data files in the storage area [Fig. 6A; p. 16, lns. 27-30], searching the database according to the automated search strings [Fig. 6A; p. 16, lns. 27-30], identifying data files associated with the automated search strings [Fig. 6A; p. 16, lns. 27-30], and removing at least one data file from the storage area based on those data files identified from the search [Fig. 6A; p. 16, lns. 27-30].

D. Claim 36

The subject matter defined in claim 36 relates to a system for managing a plurality of data files for a web browser [p. 9, lns. 1-11; Fig. 12, 10; Fig. 16; p. 24, ln. 30-p. 25, ln. 14]. The system for managing a plurality of data files for a web browser comprising a computer storage medium [Fig. 16, 1870], a computer [Fig. 16, 1800] configured to access the storage medium, a first list of network addresses [Fig. 16, 1850] stored on the computer storage medium, and a storage area on the computer storage medium [Fig. 16, 1880]. The storage area storing the data files. The system for managing a plurality of data files for a web browser further comprising a program [Fig. 16, 1810] executable on the computer. The

program configured to identify data files associated with the first list of network addresses and delete data files not associated with the first list of network addresses [Fig. 6A; p. 16, lns. 27-30].

E. Claim 44

The subject matter defined in claim 44 relates to a system for managing a plurality of data files for a web browser [p. 9, lns. 1-11; Fig. 12, 10; Fig. 16; p. 24, ln. 30-p. 25, ln. 14]. The system for managing a plurality of data files for a web browser comprising a computer storage medium [Fig. 16, 1870], a computer [Fig. 16, 1800] configured to access the storage medium, and a list of network addresses [Fig. 16, 1850] stored on the computer storage medium. Each network address in the list of network address corresponding to at least one data file. The system for managing a plurality of data files for a web browser further comprising a storage area [Fig. 16, 1880] on the computer storage medium, the storage area storing the data files; and a program [Fig. 16, 1810] executable on the computer. The program being configured to determine an access frequency associated with one of the data files and modify the list of network addresses based on the access frequency of the data file [p. 20, ln. 1 - p. 21, ln. 26].

F. Claim 47

The subject matter defined in claim 47 relates to a system for managing a plurality of data files for a web browser [p. 9, lns. 1-11; Fig. 12, 10; Fig. 16; p. 24, ln. 30-p. 25, ln. 14]. The system for managing a plurality of data files for a web browser comprising a storage area [Fig. 16, 1880] on a computer storage medium [Fig. 16, 1870]. The storage area storing the data files. The system for managing a plurality of data files for a web browser further comprising a computer [Fig. 16, 1800] configured to access the storage area; and a program [Fig. 16, 1810] executable on the computer. The program configured to determine an access time associated with the computer accessing storage area and further configured to delete data files in the storage area if the access time exceeds a threshold value [p. 21, ln. 27 - p. 22, ln. 18].

G. Claim 49

The subject matter defined in claim 49 relates to a method of managing a plurality of data files for a web browser [p. 9, lns. 1-11; Fig. 12, 10; Fig. 16, p. 24, ln. 30-p. 25, ln. 14]. The method of managing a plurality of data files for a web browser comprising

the steps of storing the data files on a computer storage medium [Fig. 16, 1870; p. 25, lns. 1-5], creating a first list of network addresses [Fig. 16, 1850; p. 25, lns. 1-5], storing the first list of network addresses on the computer storage medium [Fig. 16, 1850; p. 25, lns. 1-5], and deleting from the computer storage medium data files not associated with the first list of network addresses [p. 25, lns. 4-5].

VI. Ground of Rejection to be Reviewed on Appeal

On the basis of prior art, the Examiner has rejected claims 1-32 and 36-59 under 35 U.S.C. §102(e) as being unpatentable over U.S. Patent No. 6,169,986 to Bowman et al ("Bowman").

Accordingly, the only issue before the Honorable Board of Appeals is whether the Examiner's rejection of claims 1-32 and 36-59 of the present application, in view of Bowman is appropriate.

VII. Argument

I. Rejection of Claims 1-32 and 36-59 under 35 U.S.C. §102(e) as being unpatentable over Bowman

A. Introduction

For a reference to anticipate a claim, the reference must teach every element of the claim. See Manual of Patent Examining Procedure, ("MPEP"), § 2131 (8th ed., rev. May 2004). (citing Verdegaal Bros. V. Union Oil Co. of California, 814 F.2d 628, 631, 2 USPQ2d 1051, 1053 (Fed. Cir. 1987) and Richardson v. Suzuki Motor Co., 868 F.2d 1226, 1236, 9 USPQ2d 1913, 1920 (Fed. Cir. 1989) ("The identical invention must be shown in as complete detail as is contained in the ... claim.")). See also Teleflex Inc. v. Ficosa North America Corp., 299 F.3d 1313, 63 USPQ2d 1374 (Fed. Cir. 2002) ("As we [the Federal Circuit] have repeatedly stated, anticipation requires that each limitation of a claim must be found in a single reference."). General Electric Co. v. Nintendo Co., 179 F.3d 1350, 1356, 50 USPQ2d 1910, 1915 (Fed. Cir. 1999) ("[A]nticipation requires that a single prior art reference disclose every limitation in a patent claim.") (citing PPG Indus., Inc. v. Guardian Indus. Corp., 75 F.3d 1558, 1566, 37 USPQ2d 1618, 1624 (Fed. Cir. 1996)).

Bowman relates to a SYSTEM AND METHOD FOR REFINING SEARCH QUERIES. Referring to Fig. 1, web site 130 includes a web server application 131 which processes user requests received from user computers 110 via the Internet 120. These requests include queries submitted by users to search the on-line catalog for products which

are recorded in a query log 135. The web site 130 also includes a query server 132 which processes the queries by searching a bibliographic database 133 which includes information about the various products that users may purchase through the web site 130. The site also includes a database 134 of HTML content. The query server 132 includes a related term selection process 139 which identifies related query terms based on query term correlation data stored in a correlation table 137 which is generated periodically from the most recent daily query log files 135(1)-135(M) using an off-line table generation process 136. The query term correlation data stored in the correlation table 137 is used to select the related terms that best match the user's query. The search engine then presents the related terms to the user, allowing the user to refine the search and enhance discovery of relevant information. The query term correlation data indicates relationships between query terms, and preferably contains or reflects historical information about the frequencies with which specific query terms have appeared together within the same query.

B. Claim 1

In rejecting claim 1, the Examiner stated in numbered paragraph 1 on pages 2-3 of the Final Action that the "storage area on a computer storage medium, the storage area storing the data files" of claim 1 corresponds to the bibliographic database 133 of Bowman (Fig. 1), "a computer configured to access the storage area" of claim 1 corresponds to the query server 132 of Bowman (Fig. 1)¹, "a first database configured to index the data files stored in the storage area" of claim 1 corresponds to related terms list 142 of Bowman (Fig. 1), and "a program executable on the computer and configured to generate at least one automated search string, the program further configured to search the database index according to the automated search string and identify data files associated with the automated search string and to remove at least one data file from the storage area based on those data files identified from the search string" corresponds to the related terms selection process 139 of Bowman (Fig. 1).

The Examiner further clarifies the rejection by stating in a footnote on Page 3 of the Final Action:

The search refinement method taught by bowman [sic] correspond [sic] to the step or [sic] removing data file, since the refinement basically changes the search results and that can be by deleting or removing at least one of the data files from the storage area or the search results.

¹ This is reinforced in the Advisory Action wherein the Examiner states "133 in Bowman is the data file storage"

The Examiner, in responding to the Applicant's argument in an earlier filed response of March 29, 2004, on page 9 of the Final Action states that "the program further configured ... to remove at least one data file from the storage area [133] based on those data files identified from the search string (see column 6, lines 7-59)." As explained in more detail below, the Examiner's basis for the rejection misses the mark because the cited section does not disclose or suggest the removal of any files from bibliographic database 133, let alone the removal of files from bibliographic database 133 by the related terms selection process 139 which the Examiner identified as corresponding to the program of claim 1.

In order for Bowman to anticipate claim 1, the related terms selection process 139 (which the Examiner identified as corresponding to the program of claim 1) must "remove at least one data file from the storage area"(which the Examiner identified as corresponding to the bibliographic database 133). The section of Bowman relied upon by the Examiner (col. 6, lines 7-59) does not disclose or suggest the removal of any files from bibliographic database 133, let alone removal of any files from bibliographic database 133 by related term selection process 139. Specifically all interaction with bibliographic database 133 in the cited section involves the presentation of information and the searching of bibliographic database, not the deletion of any files from bibliographic database 133.² As such, Bowman at least does not disclose, teach, or suggest "a program ... configured to ... remove at least one data file from the storage area based on those data files identified from the search string."

On the contrary, it appears from Bowman (as illustrated in the following two passages) that an underlying assumption of Bowman is that data files have not been deleted from bibliographic database 133.

² "FIG. 2 illustrates the general format of a book search page 200 of the Amazon.com web site 130 that can be used to **search** the bibliographic database 133 for book titles. ... The book search page 200 ... allow the user to initiate field-restricted **searches** for book titles. ... The term or string of terms submitted to the search engine is referred to herein as the "query."... When the user submits a query from the book search page 200 to the web site 130, the query sever 132 **applies the query** to the bibliographic database 133.... If the query result is a single item, the item's product information page is **presented** to the user. If the query result includes multiple items, the list of items is **presented** to the user through a query result page which contains hypertextual links to the items' respective product information pages. For multiple-term queries ... the query server 132 will **search** for and return a list of all items that have both of these terms within the title. ... In accordance with the invention, the search engine uses the query term correlation data stored in the correlation table 137 to select the related terms that best match the user's query. The search engine then presents the related terms to the user, allowing the user to refine the search and enhance discovery of relevant information. The query term correlation data indicates relationships between query terms, and is used to effectively predict query terms that are likely to be helpful to the search refinement process. In accordance with another aspect of the invention, the correlation table 137 preferably contains or reflects historical information about the frequencies with which specific query terms have appeared together within the same query." Bowman col. 6, lns. 7-59 (emphasis added)

The related terms which remain are terms which have previously appeared, in at least one successful query submission, in combination with every term of the present query. Thus, assuming items have not been deleted from the database being searched, any of these related terms can be individually added to the present query while guaranteeing that the modified query will not produce a NULL query result. (Bowman col. 3, lns. 14-21).

At this point, every term which remains in the list is a term which has appeared, in at least one prior, successful query, in combination with every term of the present query. Thus, assuming entries have not been deleted from the bibliographic database 133 since the beginning of the composite time period (the period to which the table 137 applies), any of these terms can be added individually to the present query without producing a NULL query result. (Bowman col. 13, lns. 2-10).

For at least these reasons, Applicant submits that the system for managing a plurality of data files for a web browser as recited in independent claim 1 is patentable over Bowman. Accordingly, Applicant submits that independent claim 1 is in condition for allowance.

For purposes of this appeal, claims 4, 11, and 12 are grouped together with claim 1. Claims 4, 11, and 12 depend from claim 1 and are patentable over Bowman for at least the reasons given above in connection with claim 1 and for the further limitations of claims 4, 11, and 12.

C. Claim 2

Claim 2 depends from claim 1 and includes the further limitations of "a second database configured to index data files stored in the storage area corresponding to a network site the user has grouped in a first list." The Examiner on page 3 of the Final Action states that web server 131 of Bowman satisfies the further limitations of claim 2. Applicant submits that web server 131 is not a database. Further, web server 131 does not correspond "to a network site the user has grouped in a first list."

For at least these reasons and for the reasons given for claim 1 from which dependent claim 2 depends, Applicant submits that the system as recited in dependent claim 2 is patentable over Bowman. Accordingly, Applicant submits that dependent claim 2 is in condition for allowance.

For purposes of this appeal, claims 3, 8, and 17 are grouped together with claim 2. Claims 3, 8, and 17 depend from claim 2 and are patentable over Bowman for at least the reasons given above in connection with claim 2 and for the further limitations of the

respective claims 3, 8, and 17. Accordingly, Applicant submits that dependent claims 3, 8, and 17 are in condition for allowance.

D. Claim 5

Claim 5 depends from claim 4 and includes the further limitations of "wherein the event is activated when the web browser average access time to access the data files in the storage area exceeds a threshold time." The section of Bowman relied upon by the Examiner (col. 7, lns. 34-38) does not disclose or suggest the activation of an event "when the web browser average access time to access the data files in the storage area exceeds a threshold time," let alone the how the search button 230 (which appears to correspond to the event based on the Examiner's rejection of claim 4) is activated when an "average access time to access the data files ... exceeds a threshold time."

For at least these reasons and for the reasons given for the claims from which dependent claim 5 depends, Applicant submits that the system for managing a plurality of data files for a web browser as recited in dependent claim 5 is patentable over Bowman. Accordingly, Applicant submits that dependent claim 5 is in condition for allowance.

E. Claim 6

Claim 6 depends from claim 4 and includes the further limitations of "wherein the event is activated when the web browser is launched." The section of Bowman relied upon by the Examiner (see Fig. 2, 250) does not disclose or suggest the activation of an event "when the web browser is launched," but rather refers to a search button 250 separate from search button 230 which appears to correspond to the event based on the Examiner's rejection of claim 4.

For at least these reasons and for the reasons given for the claims from which dependent claim 6 depends, Applicant submits that the system as recited in dependent claim 6 is patentable over Bowman. Accordingly, Applicant submits that dependent claim 6 is in condition for allowance.

F. Claim 7

Claim 7 depends from claim 5 and includes the further limitations of "wherein the program is further configured to delete all identified data files." Referring back to claim

1, the Examiner stated that the bibliographic database 133 stores the data files. The section of Bowman relied upon by the Examiner (col. 3, lns. 14-21) does not disclose or suggest the deletion of files from bibliographic database 133, but rather the generation of related terms from multiple related terms lists. In fact, the section of Bowman relied upon by the Examiner, appears to assume that data files have not been deleted from bibliographic database 133 for the proper utilization of the generated related terms.³

For at least these reasons and for the reasons given for the claims from which dependent claim 7 depends, Applicant submits that the system as recited in dependent claim 7 is patentable over Bowman. Accordingly, Applicant submits that dependent claim 7 is in condition for allowance.

G. Claim 9

Claim 9 depends from claim 8 and includes the further limitations of "wherein the event is activated when the web browser average access time to data files in the storage area exceeds a threshold time." As stated above in connection with claim 5, the section of Bowman relied upon by the Examiner (col. 7, lns. 34-38) does not disclose or suggest the activation of an event "when the web browser average access time to access the data files in the storage area exceeds a threshold time."

For at least these reasons and for the reasons given for the claims from which dependent claim 9 depends, Applicant submits that the system as recited in dependent claim 9 is patentable over Bowman. Accordingly, Applicant submits that dependent claim 9 is in condition for allowance.

H. Claim 10

Claim 10 depends from claim 8 and includes the further limitations of "wherein the program is further configured to delete all data files not identified from the search." Referring back to claim 1, the Examiner stated that the bibliographic database 133 stores the data files. The section of Bowman relied upon by the Examiner (col. 3, lns. 14-21) does not disclose or suggest the deletion of files from bibliographic database 133, but rather the generation of related terms from multiple related terms lists. In fact, as stated above in connection with claim 7 the section of Bowman relied upon by the Examiner, appears to

³ "Thus, assuming items have not been deleted from the database being searched [(bibliographic database 133)], any of these related terms can be individually added to the present query while guaranteeing that the modified query will not produce a NULL query result." Bowman col. 3, lns. 17-21. (emphasis added)

assume that data files have not been deleted from bibliographic database 133 for the proper utilization of the generated related terms.

For at least these reasons and for the reasons given for the claims from which dependent claim 10 depends, Applicant submits that the system as recited in dependent claim 10 is patentable over Bowman. Accordingly, Applicant submits that dependent claim 10 is in condition for allowance.

I. Claim 13

Claim 13 depends from claim 12 and includes the further limitations of "wherein the program is further configured to delete all data files identified during the search." Referring back to claim 1, the Examiner stated that the bibliographic database 133 stores the data files. The section of Bowman relied upon by the Examiner (col. 3, lns. 14-21) does not disclose or suggest the deletion of files from bibliographic database 133, but rather the generation of related terms from multiple related terms lists. In fact, as stated above in connection with claim 7 the section of Bowman relied upon by the Examiner, appears to assume that data files have not been deleted from bibliographic database 133 for the proper utilization of the generated related terms.

For at least these reasons and for the reasons given for the claims from which dependent claim 13 depends, Applicant submits that the system as recited in dependent claim 13 is patentable over Bowman. Accordingly, Applicant submits that dependent claim 13 is in condition for allowance.

J. Claim 14

Claim 14 depends from claim 12 and includes the further limitations of "wherein the program is further configured to retain a data file identified during the search if the data file has an associated access frequency that exceeds a predetermined reference value." Referring back to claim 1, the Examiner stated that the bibliographic database 133 stores the data files. The section of Bowman relied upon by the Examiner in rejecting claim 14 (col. 6, lns. 60-64) does not disclose or suggest the retention of a data file in bibliographic database 133 based on an associated access frequency, but rather the correlation between query terms based solely on frequency of occurrence of the respective query terms within the same query.

For at least these reasons and for the reasons given for the claims from which dependent claim 14 depends, Applicant submits that the system as recited in dependent claim

14 is patentable over Bowman. Accordingly, Applicant submits that dependent claim 14 is in condition for allowance.

For purposes of this appeal, claims 15 and 16 are grouped together with claim 14. Claims 15 and 16 depend from claim 14 and are patentable over Bowman for at least the reasons given above in connection with claim 14 and for the further limitations of the respective claims 15 and 16. Accordingly, Applicant submits that dependent claims 15 and 16 are in condition for allowance.

K. Claim 18

Claim 18 depends from claim 17 and includes the further limitations of "wherein the third database indexes the search strings by a type key, the type key having a first value corresponding to a retention value, and a second value corresponding to a deletion value." It is unclear from the section of Bowman relied upon by the Examiner (col. 13, lns. 40-4) what portion of Bowman corresponds to a type key.

For at least these reasons and for the reasons given for the claims from which dependent claim 18 depends, Applicant submits that the system as recited in dependent claim 18 is patentable over Bowman. Accordingly, Applicant submits that dependent claim 18 is in condition for allowance.

L. Claim 19

Claim 19 depends from claim 18 and includes the further limitations of "wherein the program is further configured to retain data files identified by a search using a search string indexed by the retention value, and delete data files identified by a search using a search string indexed by a deletion value." Referring back to claim 1, the Examiner stated that the bibliographic database 133 stores the data files. The section of Bowman relied upon by the Examiner (col. 13, lns. 40-61) does not disclose or suggest the retention of a data file in bibliographic database 133 based on a corresponding retention value or the deletion of a data file in bibliographic database 133 based on a deletion value.

For at least these reasons and for the reasons given for the claims from which dependent claim 19 depends, Applicant submits that the system as recited in dependent claim 19 is patentable over Bowman. Accordingly, Applicant submits that dependent claim 19 is in condition for allowance.

M. Claim 20

Claim 20 depends from claim 11 and includes the further limitations of "wherein the program is further configured to delete a data file if the data file has an associated access frequency that is lower than a predetermined reference value." Referring back to claim 1, the Examiner stated that the bibliographic database 133 stores the data files. The section of Bowman relied upon by the Examiner (col. 10, lns. 13-30) relates to the processing of daily query log files and the how the generation process 136 ignores log entries for various reasons including that a multiple query search did not return an "items_found" value greater than zero not the deletion of a data file from bibliographic database 133 based on the data file having an associated access frequency lower than a predetermined reference value.

For at least these reasons and for the reasons given for the claims from which dependent claim 20 depends, Applicant submits that the system as recited in dependent claim 20 is patentable over Bowman. Accordingly, Applicant submits that dependent claim 20 is in condition for allowance.

For purposes of this appeal, claims 21 and 22 are grouped together with claim 20. Claims 21 and 22 depend from claim 20 and are patentable over Bowman for at least the reasons given above in connection with claim 20 and for the further limitations of the respective claims 21 and 22.

N. Claim 23

Applicant submits that Bowman does not disclose, teach or suggest the system for managing stored data files for a web browser of independent claim 23 which recites "a storage area ... a computer ... a database configured to index data files stored in the storage area during a single browsing session; and a program executable on the computer configured to search the database and identify data files stored in the storage area and indexed by the database."

In the Advisory Action the Examiner states that the Applicant "argues the reference fails to disclose indexing the data files stored in the database." Applicant was not arguing that Bowman fails to disclose indexing, although Applicant does not concede that Bowman does disclose indexing as required by claim 23. Rather, Applicant is arguing that Bowman does not disclose "a database configured to index data files stored in the storage area during a single browsing session."

The portion of Bowman relied upon by the Examiner in the Advisory Action (col 12, lns. 35-43) relates to the replacement of an old query correlation table with a new query correlation table. In particular, Bowman states "once the daily results files have been merged, the generation process 136 sorts the related terms lists from highest-to-lowest score." The daily results files are based on daily log files 135 which represent the daily query submissions submitted by the community of users. As such, the daily log files, hence the daily results files, and hence the related terms lists 142 are based on at least a portion of multiple browsing sessions from a multitude of users, not a single browsing session as required by claim 23.

As such, Applicant submits that Bowman does not disclose or suggest a system wherein a database is configured to index data files stored in the storage area during a single browsing session." For at least these reasons, Applicant submits that the system for managing stored data files for a web browser as recited in independent claim 23 is patentable over Bowman. Accordingly, Applicant submits that independent claim 23 is in condition for allowance.

O. Claim 24

Claim 24 depends from claim 23 and includes the further limitations of "wherein the program is further configured to delete data files indexed in the database upon terminating the single browsing session." Referring the Examiner's rejection of claim 23 in the Final Action, the Examiner stated that the bibliographic database 133 stores the data files. The portion of Bowman relied on by the Examiner in the Final Action (col. 13, lns. 4-16) does not disclose an active deletion of data files from bibliographic database 133 based upon terminating a single browsing session. Rather, this portion of Bowman as discussed herein states an apparent underlying assumption of Bowman. The underlying apparent assumption being "assuming entries have not been deleted from the bibliographic database 133 since the beginning of the composite time period (the period to which the table 137 applies)..." (col 13, lns. 5-8). As such, Applicant submits that Bowman does not disclose or suggest the system of claim 24 "wherein the program is further configured to delete data files indexed in the database upon terminating the single browsing session."

For at least these reasons and for the reasons given for claim 23 from which claim 24 depends, Applicant submits that the system as recited in dependent claim 24 is patentable over Bowman. Accordingly, Applicant submits that dependent claim 24 is in condition for allowance.

P. Claim 25

Claim 25 depends from claim 24 and includes the further limitations of "wherein the program is further configured to identify by a user-defined criteria data files indexed in the database and to retain identified data files indexed in the database upon exiting the browsing session." Referring to the Examiner's rejection of claim 23 in the Final Action, the Examiner stated that the bibliographic database 133 stores the data files. The portion of Bowman relied on by the Examiner in the Final Action (see Fig. 9, 900, col. 14, lns. 26-36) does not disclose the retaining of identified data files (identified by a user-defined criteria) in bibliographic database 133 upon exiting the browsing session. Rather, it relates to presenting the user with a sample query result page 900. As such, Applicant submits that Bowman does not disclose or suggest the system of claim 25, "wherein the program is further configured to ... retain identified data files indexed in the database upon exiting the browsing session."

For at least these reasons and for the reasons given for the claims from which dependent claim 25 depends, Applicant submits that the system as recited in dependent claim 25 is patentable over Bowman. Accordingly, Applicant submits that dependent claim 25 is in condition for allowance.

Q. Claim 26

Applicant submits that Bowman does not disclose, teach or suggest the method for managing a plurality of data files stored in a storage area for a web browser of independent claim 26 which recites the steps of "indexing the stored data files ... generating automated search strings ... identifying data files associated with the automated search strings; and removing at least one data file from the storage area based on those data files identified from the search."

In rejecting claim 26, the Examiner identifies bibliographic database 133 as storing the data files of claim 26. Bowman does not disclose a method including the steps of removing at least one data file from the bibliographic database based on those data files identified from a search. On the contrary, as stated herein (see claim 1) Bowman operates on the apparent assumption that data files have not been deleted from bibliographic database 133.

For at least these reasons, the Applicant submits that the method for managing a plurality of data files stored in a storage area for a web browser as recited in independent

claim 26 is patentable over Bowman. Accordingly, Applicant submits that independent claim 26 is in condition for allowance.

For purposes of this appeal, claim 27 is grouped together with claim 26. Claim 27 depends from claim 26 and is patentable over Bowman for at least the reasons given above in connection with claim 26 and for the further limitations of claim 27.

R. Claim 28

Claim 28 depends from claim 27 and includes the further limitations of "further including the step of deleting all data files identified from the search." Referring to the Examiner's rejection of claim 26 in the Final Action, the Examiner identifies bibliographic database 133 as storing the data files. The portion of Bowman relied on by the Examiner in the Final Action (col. 3, lns. 14-21) does not disclose a method including the step of deleting any, let alone all, data files in bibliographic database 133 identified from a search. Rather, the portion of Bowman has the underlying apparent assumption that data files have not been deleted from bibliographic database 133. As such, Applicant submits that Bowman does not disclose or suggest the method of claim 28, "further including the step of deleting all data files identified from the search."

For at least these reasons and for the reasons given for the claims from which dependent claim 28 depends, Applicant submits that the method as recited in dependent claim 28 is patentable over Bowman. Accordingly, Applicant submits that dependent claim 28 is in condition for allowance.

S. Claim 29

Claim 29 depends from claim 27 and includes the further limitations of "further including the step of deleting all data files not identified from the search." Referring to the Examiner's rejection of claim 26 in the Final Action, the Examiner identifies bibliographic database 133 as storing the data files. The portion of Bowman relied on by the Examiner in the Final Action (col. 3, lns. 14-21) does not disclose a method including the step of deleting any, let alone all, data files in bibliographic database 133 not identified from the search. Rather, as stated above in connection with claim 28 the portion of Bowman has the underlying apparent assumption that data files have not been deleted from bibliographic database 133. As such, Applicant submits that Bowman does not disclose or suggest the method of claim 29, "further including the step of deleting all data files not identified from the search."

For at least these reasons and for the reasons given for the claims from which dependent claim 29 depends, Applicant submits that the method as recited in dependent claim 29 is patentable over Bowman. Accordingly, Applicant submits that dependent claim 29 is in condition for allowance.

T. Claim 30

Claim 30 depends from claim 26 and includes the further limitations of "determining an access frequency for a data file stored in the storage area; and retaining the data file if the corresponding access frequency is above a threshold value." Referring to the Examiner's rejection of claim 26 in the Final Action, the Examiner identifies bibliographic database 133 as storing the data files. The portion of Bowman relied on by the Examiner in the Final Action (col. 9, lns. 7-13 and col. 11, lns. 1-5) do not disclose retaining a data file in bibliographic database 133 if the corresponding access frequency for that data file is above a threshold value. As such, Applicant submits that Bowman does not disclose or suggest the method of claim 30, "... retaining the data file if the corresponding access frequency is above a threshold value."

For at least these reasons and for the reasons given for claim 26 from which claim 30 depends, Applicant submits that the method as recited in dependent claim 30 is patentable over Bowman. Accordingly, Applicant submits that dependent claim 30 is in condition for allowance.

U. Claim 31

Claim 31 depends from claim 26 and includes the further limitations of "determining an access frequency for a data file stored in the storage area; and deleting the data file if the corresponding access frequency is below a threshold value." Referring to the Examiner's rejection of claim 26 in the Final Action, the Examiner identifies bibliographic database 133 as storing the data files. The portion of Bowman relied on by the Examiner in the Final Action (col. 9, lns. 7-13 and col. 9, lns. 38-56) does not disclose deleting a data file in bibliographic database 133 if a corresponding access frequency for that data file is below a threshold value. Rather, it relates to daily query log files and the generation of correlation table 137. As such, Applicant submits that Bowman does not disclose or suggest the method of claim 31, "... deleting the data file if the corresponding access frequency is below a threshold value."

For at least these reasons and for the reasons given for claim 26 from which

dependent claim 31 depends, Applicant submits that the method as recited in dependent claim 31 is patentable over Bowman. Accordingly, Applicant submits that dependent claim 31 is in condition for allowance.

V. Claim 32

Claim 32 depends from claim 26 and includes the further limitations of "wherein the step of generating automated search strings comprises the steps of: identifying all data files corresponding to a common network address; and using the common network address as a search term." Referring to the Examiner's rejection of claim 26 in the Final Action, the Examiner identifies bibliographic database 133 as storing the data files. The portion of Bowman relied on by the Examiner in the Final Action (col. 14, lns. 10-25) does not disclose identifying all data files of bibliographic database 133 corresponding to a common network address and using the common network address as a search term. Rather, it relates to suggesting related search terms and then in response to a user click using the respective related search term as part of a modified query. There is no identification of a common network address, rather the identification of a related search term that has been used before with a previously submitted search term. As such, Applicants submit that Bowman does not disclose or suggest the method of claim 32, "wherein the step of generating automated search strings comprises the steps of: identifying all data files corresponding to a common network address; and using the common network address as a search term."

For at least these reasons and for the reasons given for claim 26 from which dependent claim 32 depends, Applicant submits that the method as recited in dependent claim 32 is patentable over Bowman. Accordingly, Applicant submits that dependent claim 32 is in condition for allowance.

W. Claim 36

Applicant submits that Bowman does not disclose, teach or suggest the system for managing a plurality of data files for a web browser of claim 36 which recites "a computer storage medium; ... a first list of network addresses stored on the computer storage medium; ... a program executable on the computer, the program configured to identify data files associated with the first list of network addresses and delete data files not associated with the first list of network addresses."

In rejecting claim 36, the Examiner identifies bibliographic database 133 as storing the data files. Assuming *arguendo* that the above passage discloses a list of network

addresses as suggested (which the Examiner cannot do for a proper rejection under 35 U.S.C. §102), Applicant submits that Bowman does not disclose a program configured to identify data files on bibliographic database 133 associated with a first list of network addresses and to delete data files from bibliographic database 133 not associated with the first list of network addresses." On the contrary, as stated herein (see claim 1) Bowman operates on the apparent assumption that data files have not been deleted from bibliographic database 133.

For at least these reasons, Applicant submits that the system for managing a plurality of data files for a web browser as recited in independent claim 36 is patentable over Bowman. Accordingly, Applicant submits that independent claim 36 is in condition for allowance.

For purposes of this appeal claims 37-39 and 41 are grouped together with claim 36. Claims 37-39 and 41 depend from claim 36 and are patentable over Bowman for at least the reasons given above in connection with claim 36 and for the further limitation of the respective claims 37, 39, and 41.

X. Claim 40

Claim 40 depends from claim 36 and includes the further limitations of "wherein the program is further configured to determine an access time associated with the computer accessing the storage area, and further configured to delete data files in the storage area if the access time exceeds a threshold value." The portion of Bowman relied on by the Examiner in the Final Action (col. 10, lns. 13-30) relates to the processing of daily query log files and the how the generation process 136 ignores log entries for various reasons including that a multiple query search did not return an "items_found" value greater than zero. Applicant submits that this discussion does not disclose or suggest determining an access time and deleting a data file stored in bibliographic database 133 if the access time exceeds a threshold value. As such, Applicant submits that Bowman does not disclose or suggest the system of claim 40, "wherein the program is further configured to determine an access time associated with the computer accessing the storage area, and further configured to delete data files in the storage area if the access time exceeds a threshold value."

For at least these reasons and for the reasons given for claim 36 from which dependent claim 40 depends, Applicant submits that the system recited in dependent claim 40 is patentable over Bowman. Accordingly, Applicant submits that dependent claim 40 is in condition for allowance.

Y. Claim 42

Claim 42 depends from claim 41 and includes the further limitations of "wherein the program is further configured to delete data files associated with the second list of network addresses after termination of the browsing session." The portion of Bowman relied on by the Examiner in the Final Action (col. 10, lns. 13-30) relates to the processing of daily query log files and the how the generation process 136 ignores log entries for various reasons including that a multiple query search did not return an "items_found" value greater than zero. Applicant submits that this discussion does not disclose or suggest the deletion of a data file from bibliographic database 133 after the termination of a browsing session. As such, Applicant submits that Bowman does not disclose or suggest the system of claim 42, "wherein the program is further configured to delete data files associated with the second list of network addresses after termination of the browsing session."

For at least these reasons and for the reasons given for the claims from which dependent claim 42 depends, Applicant submits that the system recited in dependent claim 42 is patentable over Bowman. Accordingly, Applicant submits that dependent claim 42 is in condition for allowance.

Z. Claim 43

Claim 43 depends from claim 42 and includes the further limitations of "wherein the program is further configured to determine an access time associated with the computer accessing the storage area, and further configured to delete data files in the storage area if the access time exceeds a threshold value." The portion of Bowman relied on by the Examiner in the Final Action (col. 10, lns. 13-30) relates to the processing of daily query log files and the how the generation process 136 ignores log entries for various reasons including that a multiple query search did not return an "items_found" value greater than zero. Applicant submits that this discussion does not disclose or suggest the deletion of a data file from bibliographic database 133 if an access time exceeds a threshold value. As such, Applicants submit that Bowman does not disclose the system of claim 43, "wherein the program is further configured to determine an access time associated with the computer accessing the storage area, and further configured to delete data files in the storage area if the access time exceeds a threshold value."

For at least these reasons and for the reasons given for the claims from which dependent claim 43 depends, Applicant submits that the system recited in dependent claim 43 is patentable over Bowman. Accordingly, Applicant submits that dependent claim 43 is in

condition for allowance.

AA. Claim 44

Applicant submits that Bowman does not disclose, teach or suggest the system for managing a plurality of data files for a web browser of amended claim 44 which recites “a computer storage medium; ... a list of network addresses stored on the computer storage medium, each network address in the list of network address corresponding to at least one data file; ... and a program executable on the computer, the program configured to determine an access frequency associated with one of the data files and modify the list of network addresses based on the access frequency of the data file.”

In rejecting claim 44, the Examiner identifies bibliographic database 133 as storing the data files of claim 44. The portion of Bowman relied upon by the Examiner (col. 6, lns. 60-65) does not disclose a program configured to determine an access frequency associated with one of the data files of bibliographic database 133 and modify the list of network addresses based on the access frequency of the data file of bibliographic database 133. On the contrary, it relates to “the correlation between query terms ... based solely on frequency of occurrence within the same query.” (Bowman, col. 6, lns. 62-64). This is not an indication of the access frequency of a data file.

For at least these reasons, Applicant submits that the system for managing a plurality of data files for a web browser as recited in independent claim 44 is patentable over Bowman. Accordingly, Applicant submits that independent claim 44 is in condition for allowance.

For purposes of this appeal, claims 45 and 46 are grouped together with claim 44. Claims 45 and 46 depend from claim 44 and are patentable over Bowman for at least the reasons given above in connection with claim 44 and for the further limitations of claims 45 and 46.

BB. Claim 47

Applicant submits that Bowman does not disclose, teach or suggest the system for managing a plurality of data files for a web browser of claim 47 which recites “a storage area ... storing the data files ... and a program executable on the computer, the program configured to determine an access time associated with the computer accessing storage area, and further configured to delete data files in the storage area if the access time exceeds a threshold value.”

In rejecting claim 47, the Examiner identifies bibliographic database 133 as storing the data files of claim 47. The Examiner does not state what portion of Bowman corresponds to the limitations that "the program [is] configured to determine an access time associated with the computer accessing storage area, and further configured to delete data files in the storage area if the access time exceeds a threshold value." Applicant submits that Bowman does not disclose or suggest deleting data files from the bibliographic database 133 at all, let alone if an access time of a computer accessing bibliographic database 133 exceeds a threshold value. Further, as stated herein in connection with claim 1, it appears that Bowman assumes that data files are not deleted from bibliographic database 133.

For at least these reasons, Applicant submits that the system for managing a plurality of data files for a web browser as recited in independent claim 47 is patentable over Bowman. Accordingly, Applicant submits that independent claim 47 is in condition for allowance.

For purposes of this appeal, claim 48 is grouped together with claim 47. Claim 48 depends from claim 47 and is patentable over Bowman for at least the reasons given above in connection with claim 47 and for the further limitations of claim 48.

CC. Claim 49

Applicant submits that Bowman does not disclose, teach or suggest the method of managing a plurality of data files for a web browser of independent claim 49 which recites the steps of "storing the data files on a computer storage medium; creating a first list of network addresses; ... and deleting from the computer storage medium data files not associated with the first list of network addresses."

In rejecting independent claim 49, the Examiner identifies query server 132 as corresponding to the computer storage medium for the data files of claim 49. Further, the Examiner identifies HTML database 134 as corresponding to the first list of network addresses. Bowman does not disclose or suggest deleting data files not associated with a list of network addresses in HTML database 134. The portion of Bowman relied on by the Examiner (col. 3, lns. 14-21) states the underlying apparent assumption of Bowman that data files are not deleted from bibliographic database 133. It makes no mention of how HTML database 134 may cause the deletion of a data file.

For at least these reasons, the Applicant submits that the method for managing a plurality of data files for a web browser as recited in independent claim 49 is patentable

over Bowman. Accordingly, Applicant submits that independent claim 49 is in condition for allowance.

DD. Claim 50

Claim 50 depends from claim 49 and includes the further limitations of "determining an access frequency associated with one of the data files; and modifying the first list of network addresses based on the access frequency of the data file." Referring back to claim 49, the Examiner stated that the HTML database 134 stores the "first list of network addresses." The section of Bowman relied upon by the Examiner (col. 10, lns. 1-12) does not disclose or suggest the modification of any list of network address contained in HTML database 134, but rather the processing of daily query log files. As such, Applicant submits that Bowman does not disclose the method of claim 50, "determining an access frequency associated with one of the data files; and modifying the first list of network addresses based on the access frequency of the data file."

For at least these reasons and for the reasons given for claim 49 from which dependent claim 50 depends, Applicant submits that the method as recited in dependent claim 50 is patentable over Bowman. Accordingly, Applicant submits that dependent claim 50 is in condition for allowance.

For purposes of this appeal, claims 51-54 are grouped together with claim 50. Claims 51-54 depend from claim 50 and are patentable over Bowman for at least the reasons given above in connection with claim 50 and for the further limitations of respective claims 51-54.

EE. Claim 55

Claim 55 depends from claim 49 and includes the further limitations of "creating a second list of network addresses; storing the second list of network addresses on the computer storage medium; adding to the second list of network addresses network addresses accessed during a browsing session; storing corresponding data files corresponding to the second list of network addresses; and deleting the corresponding data files corresponding with the second list of network addresses after the browsing session is terminated." The Examiner stated in the Final Action that the "limitation of claims 55 and 56, will not be addressed since the language that suggests or makes optional but does not require steps to be preformed [sic] or does not limit a claim to a particular structure does not limit the scope of a claim or claims limitation." Applicant is unclear what portions of claim

55 are optional. Every step of claim 55 is positively set forth and not based on any optional conditions.

For at least these reasons and for the reasons given for claim 49 from which dependent claim 55 depends, Applicant submits that the method as recited in dependent claim 55 is patentable over Bowman. Accordingly, Applicant submits that dependent claim 55 is in condition for allowance.

For purposes of this appeal, claim 56 is grouped together with claim 55. Claim 56 depends from claim 55 and is patentable over Bowman for at least the reasons given above in connection with claim 55 and for the further limitations of claim 55.

FF. Claim 57

Claim 57 depends from claim 1 and includes the further limitations of "wherein the program is further configured to delete all identified data files." Referring back to claim 1, the Examiner stated that the bibliographic database 133 stores the data files. The section of Bowman relied upon by the Examiner (col. 3, lns. 14-21) does not disclose or suggest the deletion of files from bibliographic database 133, but rather the generation of related terms from multiple related terms lists.

For at least these reasons and for the reasons given for claim 1 from which dependent claim 57 depends, Applicant submits that the system as recited in dependent claim 57 is patentable over Bowman. Accordingly, Applicant submits that dependent claim 57 is in condition for allowance.

GG. Claim 58

Claim 58 depends from claim 1 and includes the further limitations of "wherein the program is further configured to delete all data files not identified from the search." Referring back to claim 1, the Examiner stated that the bibliographic database 133 stores the data files. The section of Bowman relied upon by the Examiner (col. 3, lns. 14-21) does not disclose or suggest the deletion of files from bibliographic database 133, but rather the generation of related terms from multiple related terms lists.

For at least these reasons and for the reasons given for claim 1 from which dependent claim 58 depends, Applicant submits that the system as recited in dependent claim 58 is patentable over Bowman. Accordingly, Applicant submits that dependent claim 58 is in condition for allowance.

HH. Claim 59

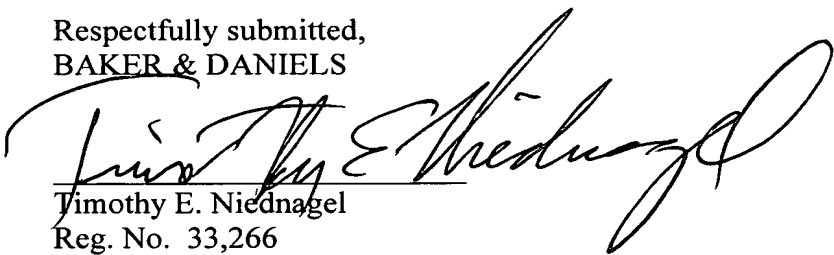
Claim 59 depends from claim 1 and includes the further limitations of "wherein the program is further configured to selectively remove the at least one data file based on a user input." Referring back to claim 1, the Examiner stated that the bibliographic database 133 stores the data files. It is unclear what section of Bowman is relied upon by the Examiner. However, Applicant submits that Bowman does not disclose a "program ... configured to selectively remove the at least one data file based on a user input."

For at least these reasons and for the reasons given for claim 1 from which dependent claim 59 depends, Applicant submits that the system as recited in dependent claim 59 is patentable over Bowman. Accordingly, Applicant submits that dependent claim 59 is in condition for allowance.

VIII. Conclusion

In view of the above, Applicant respectfully submits that the present application is in order for allowance and respectfully request the Honorable Board of Appeals to direct the Examiner to withdraw the Final Action and issue a Notice of Allowance.

Respectfully submitted,
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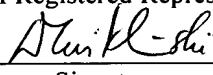
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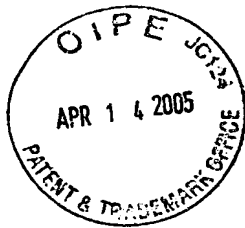
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Petition for Extension of Time

D. Cwiklinski

Name of Registered Representative


Signature

April 12, 2005
Date



CLAIMS APPENDIX

List of Claims

1. (Previously Presented) A system for managing a plurality of data files for a web browser, the system comprising:

a storage area on a computer storage medium, the storage area storing the data files;

a computer configured to access the storage area;

a first database configured to index the data files stored in the storage area;

and

a program executable on the computer and configured to generate at least one automated search string, the program further configured to search the database index according to the automated search string and identify data files associated with the automated search string and to remove at least one data file from the storage area based on those data files identified from the search string.

2. (Original) The system of claim 1, further comprising:

a second database configured to index data files stored in the storage area corresponding to a network site the user has grouped in a first list.

3. (Original) The system of claim 2, wherein the program is further configured to generate at least one automated search string corresponding to the data files indexed by the second database.

4. (Original) The system of claim 1, wherein the program is further configured to search the first database index upon an activation of an event.

5. (Original) The system of claim 4, wherein the event is activated when the web browser average access time to access the data files in the storage area exceeds a threshold time.

6. (Original) The system of claim 4, wherein the event is activated when the web browser is launched.

7. (Original) The system of claim 5, wherein the program is further configured to delete all identified data files.
8. (Original) The system of claim 3, wherein the program is further configured to search the first and second databases upon an activation of an event.
9. (Original) The system of claim 8, wherein the event is activated when the web browser average access time to data files in the storage area exceeds a threshold time.
10. (Original) The system of claim 8, wherein the program is further configured to delete all data files not identified from the search.
11. (Original) The system of claim 3, further comprising a third database configured to store access frequencies corresponding to stored data files.
12. (Original) The system of claim 11, wherein the program is further configured to search the first, second, and third databases upon an activation of an event.
13. (Original) The system of claim 12, wherein the program is further configured to delete all data files identified during the search.
14. (Original) The system of claim 12, wherein the program is further configured to retain a data file identified during the search if the data file has an associated access frequency that exceeds a predetermined reference value.
15. (Original) The system of claim 14, wherein the program is further configured to index in the third database the data file having an associated access frequency that exceeds a predetermine reference value.
16. (Original) The system of claim 14, where the program is further configured to retain a data file identified during the search if the data file corresponds to a stored file indexed by the third database.

17. (Original) The system of claim 2, further comprising a third database, the third database configured to store a user-defined search string and the automated search string.

18. (Original) The system of claim 17, wherein the third database indexes the search strings by a type key, the type key having a first value corresponding to a retention value, and a second value corresponding to a deletion value.

19. (Original) The system of claim 18, wherein the program is further configured to retain data files identified by a search using a search string indexed by the retention value, and delete data files identified by a search using a search string indexed by a deletion value.

20. (Original) The system of claim 11, wherein the program is further configured to delete a data file if the data file has an associated access frequency that is lower than a predetermined reference value.

21. (Original) The system of claim 20, wherein the system is further configured to remove from the first list the network site corresponding to the data file having an associated access frequency that falls below a predetermine reference value.

22. (Original) The system of claim 21, wherein the program is further configured to remove the index in the third database corresponding to the data file having an associated access frequency that falls below a predetermine reference value.

23. (Original) A system for managing stored data files for a web browser, the system comprising:

- a storage area on a computer storage medium, the storage area storing the data files;

- a computer configured to access the storage area;

- a database configured to index data files stored in the storage area during a single browsing session; and

- a program executable on the computer configured to search the database and identify data files stored in the storage area and indexed by the database.

24. (Original) The system of claim 23, wherein the program is further configured to delete data files indexed in the database upon terminating the single browsing session.

25. (Original) The system of claim 24, wherein the program is further configured to identify by a user-defined criteria data files indexed in the database and to retain identified data files indexed in the database upon exiting the browsing session.

26. (Previously Presented) A method for managing a plurality of data files stored in a storage area for a web browser, the method comprising the steps of:

- indexing the stored data files in a database to provide a database index;
- generating automated search strings based on the stored data files in the storage area;
- searching the database according to the automated search strings;
- identifying data files associated with the automated search strings; and
- removing at least one data file from the storage area based on those data files identified from the search.

27. (Original) The method of claim 26, wherein the step of searching the database according to the automated search strings includes the steps of:

- defining a search event; and
- initiating the search according to the automated search strings after the occurrence of the event.

28. (Original) The method of claim 27, further including the step of deleting all data files identified from the search.

29. (Original) The method of claim 27, further including the step of deleting all data files not identified from the search.

30. (Original) The method of claim 26, further comprising the steps of:

- determining an access frequency for a data file stored in the storage area; and
- retaining the data file if the corresponding access frequency is above a threshold value.

31. (Original) The method of claim 26, further comprising the steps of:
determining an access frequency for a data file stored in the storage area; and
deleting the data file if the corresponding access frequency is below a
threshold value.

32. (Original) The method of claim 26, wherein the step of generating automated search strings comprises the steps of:
identifying all data files corresponding to a common network address; and
using the common network address as a search term

33-35. (Cancelled)

36. (Original) A system for managing a plurality of data files for a web browser, the system comprising:
a computer storage medium;
a computer configured to access the storage medium;
a first list of network addresses stored on the computer storage medium;
a storage area on the computer storage medium, the storage area storing the
data files; and
a program executable on the computer, the program configured to identify data
files associated with the first list of network addresses and delete data files not associated
with the first list of network addresses.

37. (Original) The system of claim 36, wherein the program is further configured to
determine an access frequency associated with a data file and modify the first list of network
addresses based on the access frequency of the data file.

38. (Original) The system of claim 37, wherein the program modifies the first list of
network addresses by deleting the network address corresponding to the data file if the
associated access frequency is less than a threshold value.

39. (Original) The system of claim 37, wherein the program modifies the first list of
network addresses by adding the network address corresponding to the data file if the
associated access frequency is greater than a threshold value.

40. (Original) The system of claim 36, wherein the program is further configured to determine an access time associated with the computer accessing the storage area, and further configured to delete data files in the storage area if the access time exceeds a threshold value.

41. (Original) The system of claim 36, further comprising:

a second list of network addresses; and

wherein the program is further configured to store in the second list of network addresses network addresses associated with data files that are stored in the storage area during a browsing session.

42. (Original) The system of claim 41, wherein the program is further configured to delete data files associated with the second list of network addresses after termination of the browsing session.

43. (Original) The system of claim 42, wherein the program is further configured to determine an access time associated with the computer accessing the storage area, and further configured to delete data files in the storage area if the access time exceeds a threshold value.

44. (Previously Presented) A system for managing a plurality of data files for a web browser, the system comprising:

a computer storage medium;

a computer configured to access the storage medium;

a list of network addresses stored on the computer storage medium, each network address in the list of network address corresponding to at least one data file;

a storage area on the computer storage medium, the storage area storing the data files; and

a program executable on the computer, the program configured to determine an access frequency associated with one of the data files and modify the list of network addresses based on the access frequency of the data file.

45. (Original) The system of claim 44, wherein the program modifies the list of network addresses by deleting the network addresses corresponding to the data file with an associated access frequency less than a threshold value.

46. (Original) The system of claim 44, wherein the program modifies the list of network addresses by adding the network addresses corresponding to the data file with an associated access frequency greater than a threshold value.

47. (Original) A system for managing a plurality of data files for a web browser, the system comprising:

- a storage area on a computer storage medium, the storage area storing the data files;

- a computer configured to access the storage area; and

- a program executable on the computer, the program configured to determine an access time associated with the computer accessing storage area, and further configured to delete data files in the storage area if the access time exceeds a threshold value.

48. (Original) The system of claim 47, further comprising:

- a list of network addresses; and

- wherein the program is further configured to retain data files in the storage area associated with the list of network addresses.

49. (Original) A method of managing a plurality of data files for a web browser, the method comprising the steps of:

- storing the data files on a computer storage medium;

- creating a first list of network addresses;

- storing the first list of network addresses on the computer storage medium;

and

- deleting from the computer storage medium data files not associated with the first list of network addresses.

50. (Original) The method of claim 49, further comprising:

- determining an access frequency associated with one of the data files; and

- modifying the first list of network addresses based on the access frequency of the data file.

51. (Original) The method of claim 50, wherein the step of modifying the first list of network addresses based on the access frequency of the data file comprises the step of deleting from the first list of network addresses the network address corresponding to the data file with an associated access frequency less than a threshold value.

52. (Original) The method of claim 51, wherein the step of modifying the first list of network addresses based on the access frequency of the data file comprises the step of adding to the first list of network addresses the network address corresponding to the data file with an associated access frequency greater than a threshold value.

53. (Original) The method of claim 52, further comprising the steps of:
determining an access time associated with accessing the data files; and
deleting data files if the access time exceeds a threshold value.

54. (Original) The method of claim 50, further comprising the steps of:
determining an access time associated with accessing the data files; and
deleting data files if the access time exceeds a threshold value.

55. (Original) The method of claim 49, further comprising the steps of:
creating a second list of network addresses;
storing the second list of network addresses on the computer storage medium;
adding to the second list of network addresses network addresses accessed during a browsing session;
storing corresponding data files corresponding to the second list of network addresses; and
deleting the corresponding data files corresponding with the second list of network addresses after the browsing session is terminated.

56. (Original) The method of claim 55, further including the step of retaining corresponding data files corresponding with the second list of network addresses if the corresponding data files also correspond to the first list of network addresses.

57. (Previously Presented) The system of claim 1, wherein the program is further configured to delete all identified data files.

58. (Previously Presented) The system of claim 1, wherein the program is further configured to delete all data files not identified from the search.

59. (Previously Presented) The system of claim 1, wherein the program is further configured to selectively remove the at least one data file based on a user input.